Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/29/2020 09:54 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125882	0	1.89	125871	1.84
Blue	F	SSC	125000	125156	0	1.67	125960	1.63
Blue	E	FITC	16433	15947	-3	2.75	346	20.27
Blue	D	PE	27595	27333	-1	1.95	595	14.75
Blue	B	PerCP-Cy5-5	43183	43675	1	3.61	1174	20.19
Blue	A	PE-Cy7	31943	32076	0	6.10	619	40.43
Red	C	APC	42819	42238	-2	2.45	1493	12.13
Red	A	APC-Cy7	31261	30065	-4	2.33	796	12.04
Violet	B	V450	6527	6167	-6	4.46	347	13.63
Violet	A	V500	24533	23394	-5	4.18	545	10.84

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17702	9.89	620	20	N/A	N/A	Pass
Blue	F	SSC	56940	1.18	560	12	N/A	N/A	Pass
Blue	E	FITC	63	65.51	544	5	0.0200	161	Pass
Blue	D	PE	124	51.18	542	8	0.1733	321	Pass
Blue	B	PerCP-Cy5-5	214	50.10	657	15	0.0092	71	Pass
Blue	A	PE-Cy7	115	100.74	704	15	0.0111	19	Pass
Red	C	APC	354	26.05	581	-2	0.0250	226	Pass
Red	A	APC-Cy7	176	29.25	560	-3	0.0055	1092	Pass
Violet	B	V450	53	63.15	448	-7	0.0520	2532	Pass
Violet	A	V500	82	35.73	460	-7	0.0219	1003	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.24	-31.78	1.00
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.48
Red	15.85	13.60 - 20.40	N/A	N/A	29.32	29.81	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9511

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments